



Atmospheric Brown Clouds (a mixture of soot and other particles) are clearly visible looking south from a point near the crest of the Himalayas in Nepal. In contrast, the view to the North is relatively clear



Looking South

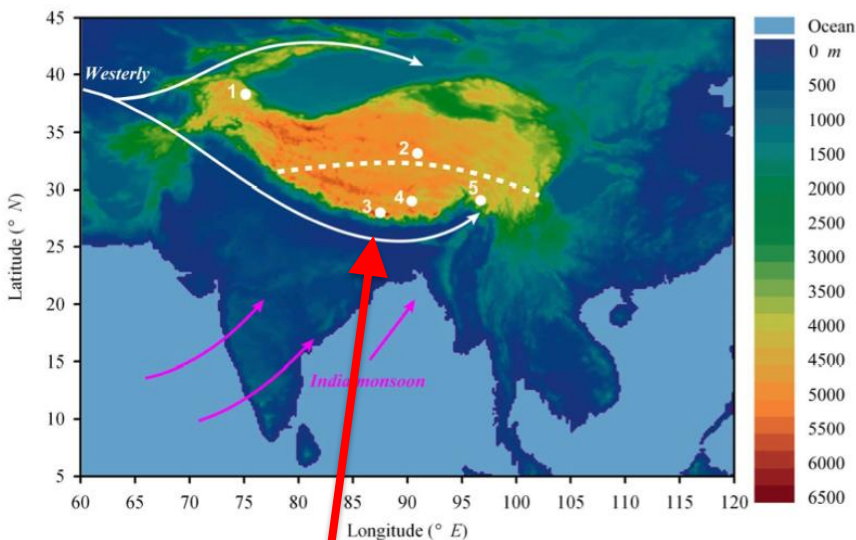


Looking North (Mera Peak)

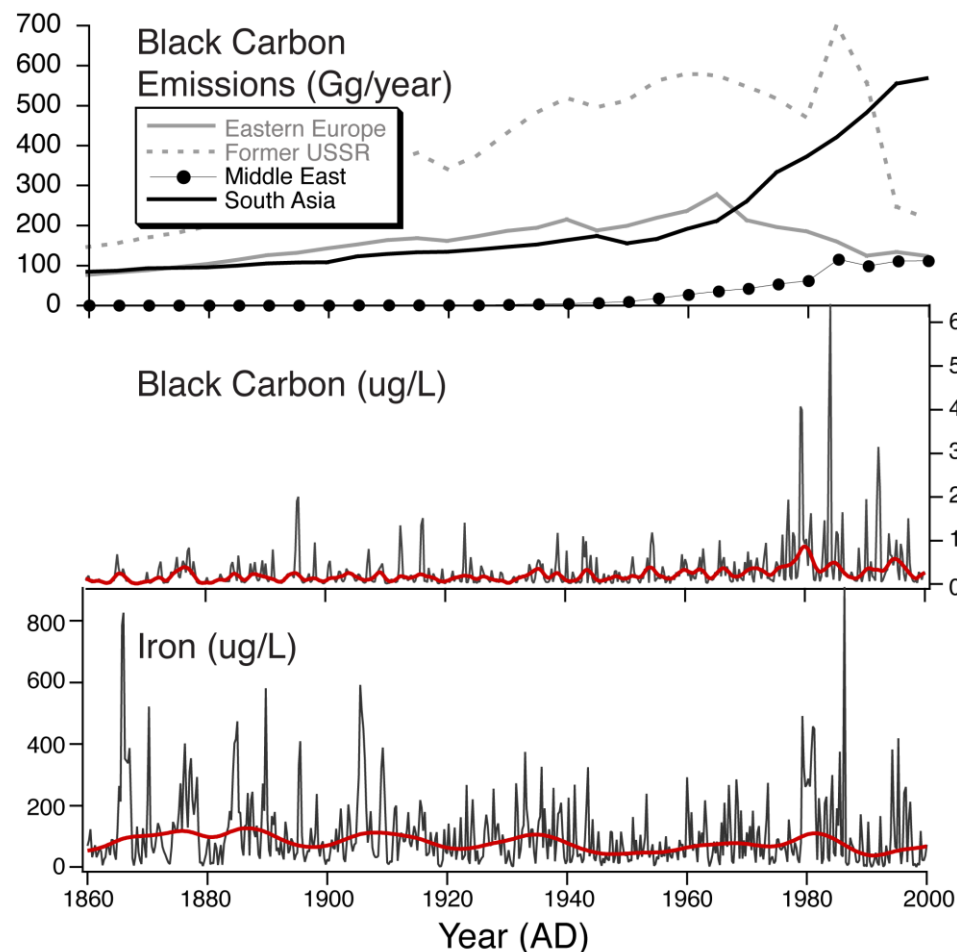
Inkhu Khola Valley, Solu-Khumbu, Nepal at ~4300m



From Xu et al., 2009



Everest Ice Core  
~6500 m asl



Kaspari et al., in prep.

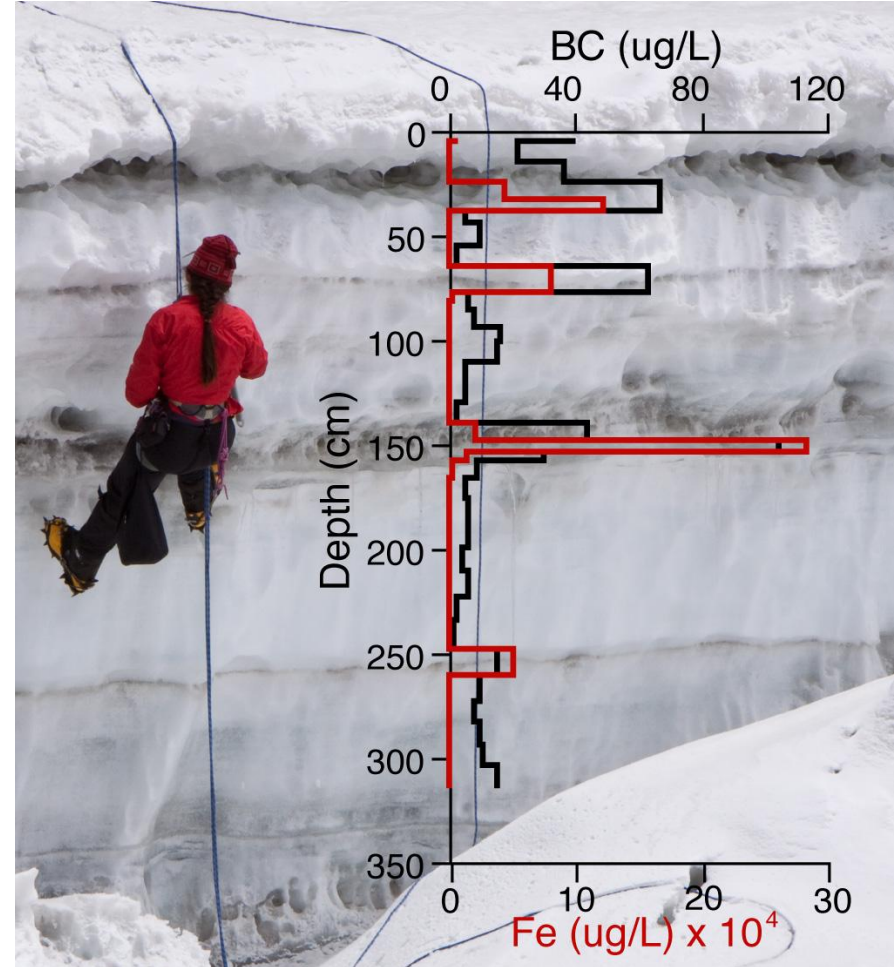
Black carbon emission data (from Bond et al., 2007); Everest ice core black carbon (Kaspari et al., in prep.), and iron (used as a proxy for dust) (Kaspari et al., 2009).

Kaspari





# Impurities (Black Carbon and Dust) Deposited on Mera Glacier, Nepal in the Himalayas



Photographs by J. Cunningham